

following Remarks, Applicant respectfully requests that the Examiner reconsider the outstanding rejections and that they be withdrawn.

***Rejections Under 35 U.S.C. §103***

In the Office Action, claims 1-19 were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,411,359 issued to Kobayashi et al ("Kobayashi"). This rejection is respectfully traversed.

***Present Invention***

The present invention is directed to a driving module capable of inspecting the effectiveness of driving signals applied to a display cell circuit of a liquid display (LCD) panel and a display device incorporating the driving module.

***Kobayashi Reference***

The invention of Kobayashi is directed to a LCD display device having a smaller frame area by improving the layouts of extraction lines DTM of drain wiring of a TFT LCD device. Thin film transistors are formed on a substrate SUB1 to form pixels. SUB2 is a second substrate for color filters. DTM represents drain extraction lines formed on the lower substrate SUB1. A drain side flexible board FPC2 (and similarly, gate side FPC1) connects with a drain-driving driving IC. In order to reduce area consumption and providing a smaller frame, the angles of the drain extraction lines such as DTM, DTMS, and DTMP (formed on the SUB1 substrate) form acute angles such as  $\theta_1$  and  $\theta_2$  from IC

thereby reducing the width of "D" and corresponding size of the overall PCBs and a smaller frame.

*Traversal of the Rejection*

To establish a *prima facie* case of obviousness for a given claim, two requirements must be satisfied. First, the cited references must teach or suggest all the features recited in the claims. Second, there must have been some teaching or suggestion in existence at the time the invention was made that would have led one of ordinary skill in the art to combine the references in an attempt to form the claimed invention. Applicant respectfully submits that the Kobayashi reference does not meet these requirements.

Claim 1 of the present invention recites in part:

*an inspection means formed on the plurality of driving signal input/output lines for inspecting states of the plurality of driving signal input/output lines and the driving signal.*

Applicant submits that Kobayashi does not teach or suggest this feature of the claimed invention. The inspection means provides for inspecting the signals as they are propagated from one driving module to another as described at least at page 16, line 22 to page 19, line 15. Validation of the signals along its path provides, as an example, for easy verification of effectiveness of the gate-driving signal. Kobayashi does not teach or suggest anything remotely similar to this feature and it would not have been obvious to provide such feature from the disclosure of Kobayashi.

Since Kobayashi does not teach or suggest all the limitations of claim 1, the rejection should now be withdrawn. Further, since claims 2-8 are dependent from

allowable claim 1, Applicant submits that the subject matter of claims 2-8 are also allowable and respectfully requests withdrawal of the rejections.

Claim 9 of the present invention recites in part:

*a plurality of second driving modules having a plurality of driving signal input/output lines connected to the plurality of second transmission lines, the second driving modules transmitting the second driving signal to the second signal transmission lines after controlling the time for applying the second driving signal from the integrated printed circuit board, the second driving modules inspecting states of the second driving signal and the plurality of driving signal input/output lines. (emphasis added)*

Applicant submits that Kobayashi neither teaches nor suggests such features. In fact, nowhere does Kobayashi teach or suggest controlling the time for applying signals from driving modules at all. Additionally, as discussed in the previous section for claim 1, nowhere does Kobayashi teach or suggest inspecting states of driving signals. Therefore, Applicant submits that since Kobayashi does not teach or suggest all the limitations of claim 9, the rejection should be withdrawn. Further, since claims 10-19 are dependent from allowable claim 9, Applicant submits that the subject matter of claims 10-19 are also allowable and respectfully requests withdrawal of the rejections.

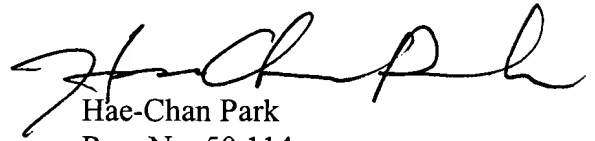
Since the Kobayashi reference does not teach or suggest all the limitations of the present claimed invention, nor is it obvious from Kobayashi to provide these limitations, Applicant submits that the Examiner has failed to establish a *prima facie* case of obviousness. Accordingly, Applicant respectfully requests that the rejection of claims 1-19 under 35 U.S.C. §103(a) be withdrawn and these claims passed to allowance.

**CONCLUSION**

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. Applicant believes that a full and complete response has been made to the outstanding Office Action and, as such, claims 1-19 are in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment is respectfully requested.

Respectfully submitted,



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